



# FH 5532-TT ISSUE 2 [2018]

## GROUP NUMBER CLASSIFICATION

This is to certify that the specimens described below were tested by BRANZ for determination of Group Number Classification and Average Specific Extinction Area in accordance with ISO 5660 Parts 1 and 2.

### Test Sponsor

Dulux Powder and Industrial Coatings  
31b Hillside Road  
Glenfield 0627  
Auckland  
New Zealand

### Date of tests

5 May, 12 May, 5 June 2014 and 13 March 2018

### Reference BRANZ Test Report

FH 5532-TT issue 2 [2018] – issued 11 April 2018

### Test specimens as described by the client

Dulux Powder Coatings colours FR Smoke Blue, Electro Flat White, Silver Pearl Kinetic, Arctic White, Duratec Matt Black, and Mannex Grey Friars applied at 60 – 80 µm dry film thickness on 0.6 mm steel plate.

Specimen Reference	Mass* (g)	Thickness* (mm)	Apparent Density* (kg/m <sup>3</sup> )	Colour
FH5532-2	100.9	15.3	1409	White

Note: \*mean values for material tested in full on nominally 7 mm thick fibre cement substrate

### Group Number Classification in accordance with the New Zealand Building Code

Calculations were carried out according to NZBC Verification Method C/VM2 Appendix A. The classification for the sample as described above is given in the table below.

### Group Number Classification in accordance with NCC Australia

Calculations were carried out according to AS 5637.1:2015. The Group Number Classification and Average Smoke Extinction Area for the sample as described above is given in the table below.

### Determination of Fire Hazard Properties

The specimen was deemed suitable for testing in accordance with AS 5637.1:2015 and testing was performed in accordance with ISO 5660 for the purposes of Group Number Classification as specified in the NCC Volume One Specification C1.10 Clause 4 for the classification of wall and ceiling linings.

*Regulatory authorities are advised to examine test reports before approving any product*

Building Code Document	Group Number Classification
NZBC Verification Method C/VM2 Appendix A: Establishing Group Numbers for lining materials	1-S
NCC Volume One Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	1 The average specific extinction area was <b>less</b> than the 250 m <sup>2</sup> /kg limit

### Issued by

L. F. Hersche  
Fire Testing Engineer

### Reviewed by

P. C. R. Collier  
Senior Fire Testing Engineer  
IANZ Approved Signatory



All tests and procedures reported herein, unless indicated, have been performed in accordance with the laboratory's scope of accreditation

### Issue Date

11 April 2018

### Expiry Date

11 April 2023